M 6.0, 281 km SW of Arenas, Panama

Origin Time: 2022-01-28 11:14:09 UTC (Fri 05:14:09 local)
Location: 5.4966° N 82.5844° W Depth: 8.0 km

PAGER
Version 5

Created: 2 weeks, 1 day after earthquake

Estimated Fatalities

65%
30%
4%

Fatalities: 1 · 10 · 100 · 1,000 · 10,000 · 100,000

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

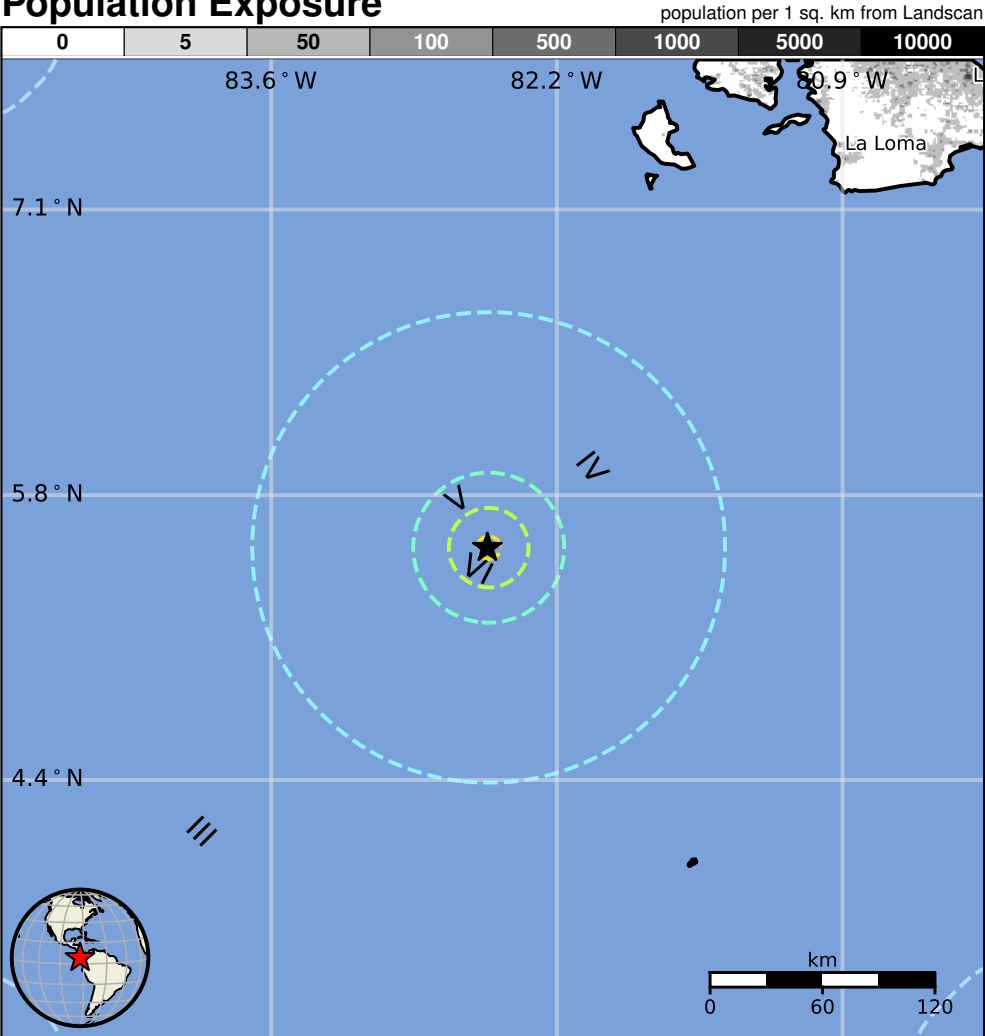65%
30%
4%

USD (Millions): 1 · 10 · 100 · 1,000 · 10,000 · 100,000

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	99k*	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan

0	5	50	100	500	1000	5000	10000

Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1983-04-03	362	7.4	VIII(22k)	1
2004-02-04	319	6.1	IX(1k)	0
2003-12-25	319	6.5	VIII(53k)	2

Selected City Exposure

from GeoNames.org

MMI	City	Population
III	Arenas	<1k
III	**La Loma**	**<1k**
III	El Bebedero	<1k
III	Tonosi	2k
III	Guarumal	<1k
III	Ave Maria	<1k
III	Macaracas	2k
III	**Las Tablas**	**9k**
III	Santo Domingo	2k
III	Guarare	2k
III	La Palma	1k

bold cities appear on map.   (k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage.
Limitations of input data, shaking estimates, and loss models may add uncertainty.
https://earthquake.usgs.gov/earthquakes/eventpage/us7000gfti#pager

Event ID: us7000gfti